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RCA J20542 OWNER'S MANUAL

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Tv + Vcr
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important information

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Commercial TV Owner's Manual Approval

Date: 8/6/02: Please review this book for your area of expertise and return it by the deadline. If you can't meet the deadline, please contact me. Thank you for your cooperation!

You are responsible for approving the part of the book that addresses the areas next to your name:

Jeff DeClue, INH420	Product features, front/back panels
Kevin Nortrup, INH305	Product features, remote controls, front/back panels
Tom Gurley, INH600	Engineering
Randy Collins, INH 915	Warranty
George Dremonas, INH340	Legal/Trademarks
Eugene Janson, INH715	Safety information
Dipak Patel, INH715	UL Issues

CC:
Suzanne Rees
Rodger Keeney

This book covers:

Model(s): J20542, J25435, J27435, J32435, J36435, J27433
Part Number: 15981770

Deadline for comments: 8/13/02 **Return to: Lisa Paff Johnson, INH210**

Special notes and comments: This IB was spun from a commercial IB that was done several years ago, so the layout and information has changed slightly. Also note the caution statement on the inside front cover and FCC statement in the back of the book have been left and are TBD if these will remain.

- ☐ Book has been reviewed and is approved.
- ☐ Edits have been made. Do not require 2nd proof. Book is approved with edits.
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Signature Date

RETURN BOOK W/ COMMENTS TO LISA PAFF JOHNSON, INH210 BY 8/13/02

RCA

Television User's Guide

Changing Entertainment. Again.

Important Information

WARNING

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

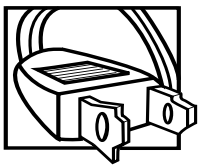
CAUTION

RISK OF ELECTRIC SHOCK
DO NOT OPEN

Caution: To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.

This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.

This symbol indicates important instructions accompanying the product.



Caution*: To prevent electric shock, match wide blade of plug to wide slot, fully insert.

Attention: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqú au fond.

Refer to the identification/rating label located on the back panel of your product for its proper operating voltage.

FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

Caution: Using video games or any external accessory with fixed images for extended periods of time can cause them to be permanently imprinted on the picture tube (or projection TV picture tubes). ALSO, some network/program logos, phone numbers, etc. may cause similar damage. This damage is not covered by your warranty.

Cable TV Installer: This reminder is provided to call your attention to Article 820-40 of the National Electrical Code (Section 54 of the Canadian Electrical Code, Part 1) which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building as close to the point of cable entry as practical.

Product Registration

Please fill out the product registration card (packed separately) and return it immediately. Returning the card allows us to contact you if needed.

Product Information

Keep your sales receipt to obtain warranty parts and service and for proof of purchase. Attach it here and record the serial and model numbers in case you need them. These numbers are located on the product.

Model No._____ Serial No._____ Purchase Date: _____

Dealer/Address/Phone: _____

*This caution only applies to certain models

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Chapter 1: Getting Started

Things to Consider Before You Connect

Protect Against Power Surges

- Connect all components before you plug any of their power cords into the wall outlet.
- Turn off the TV and/or component before you connect or disconnect any cables.
- Make sure all antennas and cables are properly grounded. Refer to the Important Safeguards sheet packed with your TV.

Protect Components from Overheating

- Don't block ventilation holes on any of the components. Arrange the components so that air can circulate freely.
- Don't stack components.
- When you place components in a stand, make sure you allow adequate ventilation.
- If you connect an audio receiver or amplifier, place it on the top shelf so the heated air from it won't flow around other components.

Position Cables Properly to Avoid Audio Interference

- Insert each cable firmly into the designated jack.
- If you place components above the TV, route all cables down the side of the back of the TV instead of straight down the middle of the back of the TV.
- If your antenna uses 300-ohm twin lead cables, do not coil the cables. Also, keep the twin lead cables away from audio/video cables.

Important Stand and Base Safety Information

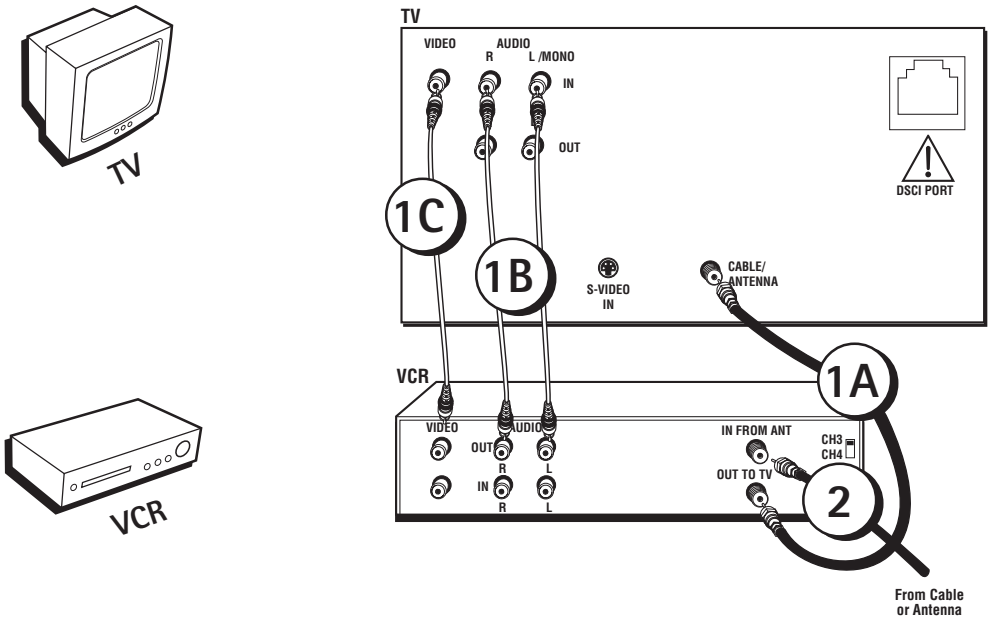
Choose the location for your TV carefully. Place the TV on a stand or base that is of adequate size and strength to prevent the TV from being accidentally tipped over, pushed off, or pulled off. This could cause personal injury and/or damage the TV. Refer to the Important Safeguards sheet packed with your TV.

Use Indirect Light

Don't place the TV where sunlight or room lighting will be directed toward the screen. Use soft or indirect lighting.

Things Needed Before You Connect

You will need a Master remote or Clone Box to set up the TV. Contact your RCA commercial distributor to purchase one of these.



Note: The back of your TV might vary from the above graphic. Go to the next page for information on the back panel.

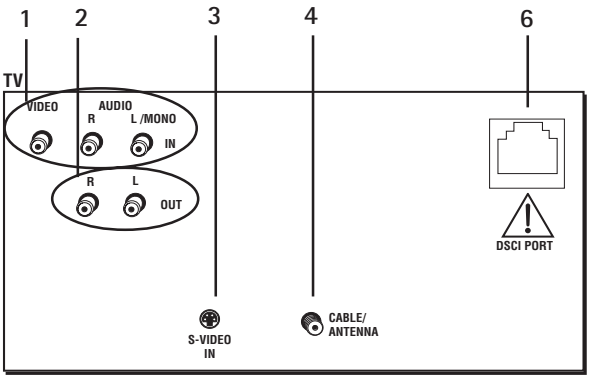
TV + VCR

1. **Connect your TV to your VCR**
   A. Connect a coaxial cable to the CABLE/ANTENNA jack on your TV and to the Output Jack on your VCR (sometimes labeled OUT TO TV).
   B. Connect the audio/video cables. Connect audio cables (white and red) to the AUDIO R and L/MONO jacks on the back of the TV and to the Audio Output Jacks on the VCR (sometimes labeled OUT R L).
   C. Connect the video cable (yellow) to the VIDEO jack on the back of the TV and to the Video Output Jack on the VCR.

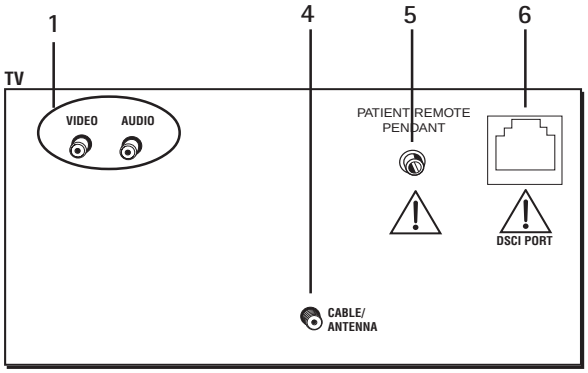
2. **Connect cable or antenna to your VCR**
   Connect the coaxial cable from your cable outlet or antenna to the Input Jack on your VCR (sometimes labeled IN FROM ANTENNA or IN FROM ANT).

Back of TV

This manual covers TV models that have different back panels. Match the back panel of your TV to one of the back panels shown below.



Models J25435, J27435, J32435, J36435 and J27433



Model J20542

1 VIDEO and AUDIO R and L/MONO IN Jacks

Used to connect video devices, such as VCRs, camcorders, laserdisc players, home computers, or TV games with audio/video outputs.

2 AUDIO R and L OUT Jacks

Allows connection of external audio amplifiers, powered speakers, or other devices with line-level audio inputs. Note that these outputs cannot drive standard speakers directly.

3 S-VIDEO IN

Used to connect devices with S-Video capability (an S-Video cable is required). Remember to connect audio cables as well, because the S-Video cable carries only video.

4 CABLE/ANTENNA Jack

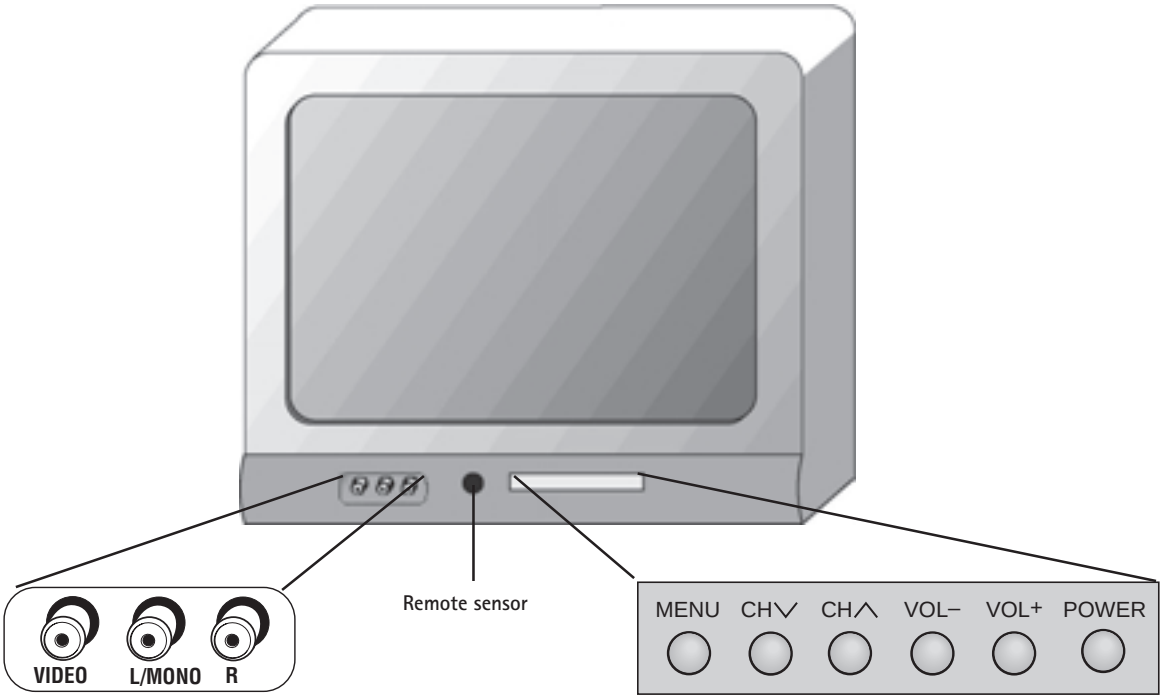
Used to attach either a home antenna or cable system to your TV.

5 PATIENT REMOTE PENDANT

Used to connect to pillow speaker, nurse-call system, or other device to supply speaker-level audio or accept remote control. The connector is a stereo (3-wire) phone jack. For more information on its connection and operation, please contact your RCA distributor or the supplier of the nurse-call system.

6 DSCI PORT

Also known as "Smartplug," this port is used to transfer information between a TV and other devices, such as a clone box or interactive system. This port is an eight-pin telephone-type port. For more information on its connection and operation, please contact your distributor or the supplier of the interactive system.



The Front of Your TV

If you cannot locate your remote you can use the front panel of your TV to operate basic user features.

Note that front-panel access may be blocked by master menu settings. Go to Access & Power Options menu for more information.

MENU Brings up the basic Main menu. When in the menu system, it selects highlighted items.

CH v Scans down through the channel list and brings up the basic status display. In the menu system, it points down to items and adjusts menu controls.

CH ˆ Scans up through the channel list and brings up the basic status display. In the menu system, it points up to items and adjusts menu controls.

VOL – Decreases the volume. When in the menu system, VOL – is used to point left to items and adjust menu controls.

VOL + Increases the volume. When in the menu system, VOL + is used to point right to items and adjust menu controls.

POWER Turns the TV on and off.

Front Panel Jacks

Only available on models J25435, J27433, J27435, J32435, and J36435

You can access the component you connected to the front of the TV by pressing the WHO•INPUT or INPUT button on your remote until *VID* appears on the screen. The jacks are ideal for using a video game console or a camcorder. A component connected to the front panel jacks will override a component that is connected to the back panel jacks.

VIDEO (in) Receives video from another component such as a VCR, camcorder or video game console.

L/MONO and R AUDIO Receives audio from another component such as a VCR, camcorder or video game console.

Start-up

The steps below get your TV connected and ready to watch.

Put Batteries in the Remote

1. Pull off the cover of the battery compartment.
2. Place the two AAA batteries into the remote, matching the + and – end of each battery in the compartment.
3. Replace the cover.

Turn on the TV

Press POWER on the TV or remote.

Place All Available Channels Into Memory

1. Press MENU on the remote control, then select *Channel*, then *Auto Channel Search*.
2. Select which channel list you'd like to find channels for (List A is the default).

Note: Inputs (VID, SVID, etc.) must be added to the active channel list separately before they can be accessed. Refer to pages at the end of this chapter for more information on the Channel menu and List & Labels.

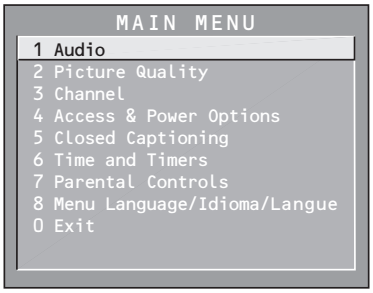
Set the Time

To set the time, select automatic setting of the time, or to prevent viewers from accessing the *Current Time* and *Schedule* options, go to page 9.

If the control panel is not set to the current time, use the arrow and digit buttons on the remote control to make changes. You can also enter numbers by using the up and down arrows on the remote.

The ClonePRO™

If several TVs need to be programmed with the same menu settings, an optional clone box can be used to copy all of the menu settings from one TV into other TVs to reduce installation time. Information can be both downloaded to and uploaded from the clone box using the DSCI port on the TV's back panel or using the IR sensor. Clone boxes can be obtained from your RCA commercial distributor. To use the clone box now, go to page 22 for information. If you want to set other menu options before using the clone box go to the next pages of this chapter. Note you can use the clone box at any time.



The master Main menu.

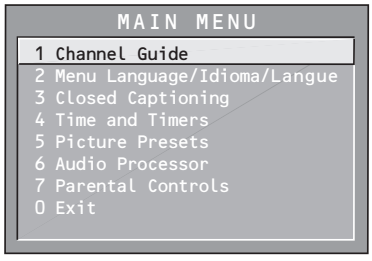
Understanding the Menus

This television displays two levels of menus: master and basic.

The master menus are accessible by pressing MENU on the master remote (CRK17TD1). The master Main menus will always display eight choices.

The basic menus are accessible by pressing MENU on a basic remote (CRK17TC1 or other remote) or the front panel. The choices available on the basic menus and control panels will vary depending on limits set by the master user and the input selected. You can turn off the basic menu completely through the *Access & Power Options* menu. For more information on the effects of master user choices on the basic menu and basic user functionality, go to the next pages of this chapter.

Note: Options set in the master menu are stored in nonvolatile memory. If any options are changed in the basic menu, and then the TV is turned off, the TV defaults to the master menu settings once it's turned back on.



The basic Main menu. The choices available in this menu change according to limits set by the master user.

Using Master and Basic Menus

Menus and choice lists use the point and select rule to navigate, but control panels use a variety of methods to adjust features on your TV. The following pages detail how to use these controls to customize the functions of your TV.

The first menu is called the Main menu. Press MENU on the remote (master remote for master menu; basic or universal remote for basic menu) or on the front panel (basic menu) to bring up the Main menu.

Menu choices take you to another menu or a control panel. There are two ways to select a menu item:

- Point with the arrows and then select with MENU or OK.
- Press a digit button on the remote. For example, in the master Main menu, press 3 to go straight to the Channel menu.

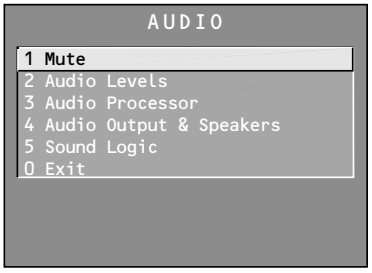
Exiting a Menu

There are three ways to exit a menu. Note that not all methods work in all menus:

- Point to *Exit* and press MENU or OK.
- Press 0 on the remote control.
- Press CLEAR. The on-screen displays are cleared from the screen and you return to TV viewing.

Setting Limits in Master Menus

Some screens in the main master menus are not available in the main basic menu. There also might be some options you want to make unavailable to the basic user. These next few pages describe these type of menu options. To make all options unavailable, set the Basic Menu Access in the *Access & Power Options* menu. For more information on other menu options not mentioned in this chapter, go to Chapter 3.



Audio Menu

The Audio levels, output and speakers, and sound logic aren't available in the basic menu.

Audio Levels Adjust the TV's Balance (Speaker In/Ext on model J20542), Treble, Bass, Initial Volume, and Maximum Volume.

In all models except the J20542, the *Balance* feature fades between left and right speakers. In the J20542, *Speaker In/Ext* fades between internal and external speakers. *Treble* and *Bass* adjust the proportion of high and low notes, respectively. *Initial Volume* sets the TV's volume to the specified level every time it is turned on. The *Maximum Volume* feature re-scales the volume control slider so that the far right position is always the maximum allowable volume (but not necessarily the maximum possible volume).

Audio Output & Speakers (not available on model J20542) Lets you turn the TV's internal speakers on or off and set the audio outputs to fixed-level or variable control level.

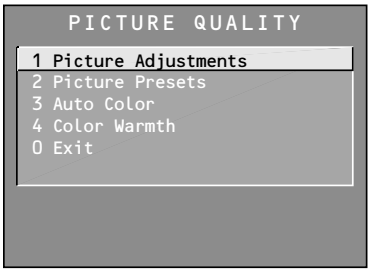
Variable Output, Speakers On Turns the TV's speakers on and sets the variable output from the TV's audio output jacks, proportional to the volume setting.

Variable Output, Speakers Off Turns the TV's speakers off and allows variable output from the TV's audio output jacks.

Fixed Output, Speakers Off Turns the TV's speakers off and allows fixed output from the TV's audio output jacks to an external device such as a surround sound amplifier. When this feature is turned on, the TV's volume control, tone controls, Expanded Stereo, and mute are disabled.

Volume Hold Turns the TV's speakers on and sets the audio outputs proportional to the current volume setting. When this feature is turned on, mute and other volume controls are disabled.

Sound Logic Turning this feature on reduces the annoying blasts in volume during commercial breaks to create more consistent audio output.



Picture Quality Menu

Picture adjustments, auto color, color warmth and picture tilt (for models J32435 and J36435 only) are not available on the basic menu.

Picture Adjustments Displays the five slider controls for adjusting the way the picture looks in the current video input source (this feature can be set differently for each video input source).

Contrast Adjusts the difference between the light and dark areas of the picture.

Color Adjusts the richness of the color.

Tint Adjusts the balance between the red and green levels.

Black Level Adjusts the brightness of the picture.

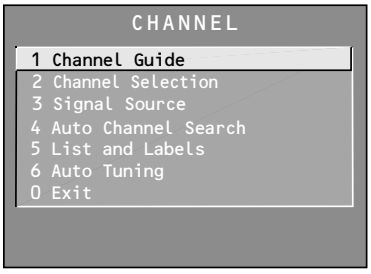
Sharpness Adjusts the crispness of edges in the picture.

When exiting the *Picture Adjustments* menu, the *Save Custom Picture Preset* choice list appears. You can choose either *Yes* or *No*. If you save the settings as a Custom Picture Preset, the TV will store the settings so that you can select them quickly if someone changes the settings.

Auto Color Displays a choice list that lets you turn on the feature that corrects the color of the picture. (This is especially useful for tracking realistic flesh tone colors as you switch from channel to channel.) Choose *Off* or *On*, depending on your preference.

Color Warmth Displays a choice list that lets you set one of three automatic color adjustments: *Cool* for a more blue palette of picture colors; *Normal*; and *Warm* for a more red palette of picture colors. The warm setting corresponds to the NTSC standard of 6500 K.

Picture Tilt (available only on models J32435 and J36435) These models have an extra large picture tube that makes it vulnerable to the effects of the Earth's magnetic field. You may need to adjust the picture tilt.



Channel Menu

There isn't a Channel menu in the basic menu, rather a Channel Guide. Most of the Channel menu options are more advanced and you might not feel you need to customize any of the options.

Channel Selection Allows the master user to set the initial channel and to select which of the three channel lists will be active (accessible to the basic user). If no initial channel is selected, the TV tunes to the last channel when turned on. If *Hold* is selected, the user will not be able to select any channel other than the initial channel.

Signal Source Displays a choice list that lets you select the current signal source and turn muting and blanking on or off for weak signals.

UHF/VHF Choose this if you are currently using an off-air antenna for TV signals.

Cable TV Choose this if you are currently using cable or a cable box for TV signals.

Auto Channel Search Tells the TV to search for all the channels available through the antenna input. When the TV finds an active channel, it places it in the selected channel list; inactive channels (weak stations or channels with no signal at all) are removed from that channel list.

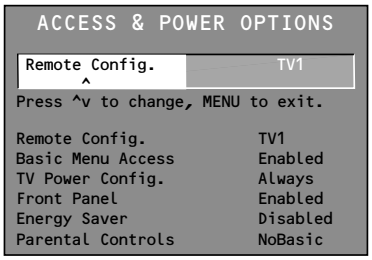
List and Labels Displays a control panel that lets you edit the three channel lists and choose an eight-character label for each channel. Follow the on-screen directions to customize channel lists and labels. Note that pressing RESET or SKIP in the Lists and Labels menu returns the highlighted field to its default status.

Channel Use the up and down arrows to scroll up and down through the channels available via your antenna. You can enter the channel number directly using the digit buttons.

Lists A, B, and C Use the up and down arrows to indicate whether you want the channel number to be included in the highlighted channel list. Channels included in a list will be available to users when that list is active. Channels not included in the active list will not be accessible to users.

Channel Label Use the up and down arrows to enter a label of up to eight characters for each channel. Hold an arrow button down to scroll quickly through the characters. Press RESET or SKIP to clear the currently highlighted label. To prevent a channel number from displaying on the screen, select "#" as the eighth label character.

Auto Tuning Displays a choice list that lets you set up the TV to tune to the correct input channel when you press its component button (VCR1, DVD, VCR2, or SAT) on a universal remote. Go to Chapter 4 for details on the Auto Tuning feature.



Access & Power Options Menu

This control panel allows the master user to specify which features and functions basic users will be able to access. Yellow and green color coding shows each item's status:

- **Yellow** default setting
- **Green** change from default setting

Remote Configuration This feature tells the TV under what circumstances to respond to remote control commands

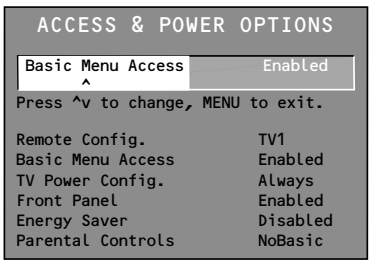
TV1 This TV will only respond to a remote in TV1 mode.
TV1 or TV2 This TV will respond if the remote is in either mode.
TV2 This TV will only respond to a remote in TV2 mode.
Disabled This TV will not respond to a remote at all, except MENU from the master remote.

Once you have assigned TV1 or TV2 status to your TVs, you will need to tell the remote control which TV you want to operate. On a master or basic remote:

1. Point the remote at TV1.
2. Simultaneously press and hold the SYSTEM and 1 buttons.
3. After three seconds, release the buttons. TV1 should now respond to the remote.
4. To control TV2, simply repeat the process using the SYSTEM and 2 buttons.

On a universal remote:

1. Point the remote at TV1.
2. Press the TV1 button to put the remote in TV1 mode.
3. To control TV2, simply repeat the process using the TV2 button and TV2.



Basic Menu Access This feature tells the TV to either enable or disable the basic menu. When the basic menu is disabled, users cannot access menus through the basic remote or the front panel.

TV Power Configuration This feature determines whether the TV can be turned on and off with the POWER button on the remote or the front panel. You can toggle between:

Switched The TV can be turned on or off; the Energy Saver can be enabled.

Always The TV is always on and cannot be turned off; all Energy Saver settings are ignored.

Front Panel This feature determines whether the front panel buttons are active (able to be used to control the TV) or not.

Energy Saver Setting When enabled, this feature turns the TV off after a specified period of disuse (no remote or front panel button presses). You can toggle between *Disabled*, *2-hour, 1-hour*, and *30-minute* settings. When disabled, the TV won't turn itself off. If *TV Power Config.* is set to *Always*, Energy Saver Settings are ignored.

Parental Controls This feature determines the amount of access basic users have to Parental Controls. Blocking age-based rating and content themes is described in Chapter 3. You can toggle between:

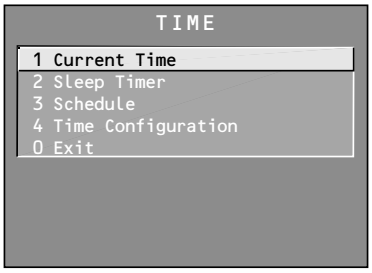
Basic&Pwd Basic users are able to enter the Parental Control menu and change the password. Basic users can watch blocked programming by entering the system password.

Basic Basic users are able to enter the Parental Control menu but cannot change the password. Basic users can watch blocked programming by entering the system password.

NoBasic Parental Control does not appear on the basic Main menu. Basic users can watch blocked programming by entering the system password.

If Parental Controls is set to *NoBasic,* Movie Rating Access, TV Rating Access, Unrated Program Block, and Channel Block will not be available to basic users, regardless of what those items have been set to individually in the Parental Controls menu.

Note that the master user is always able to enter Parental Controls and change the password.



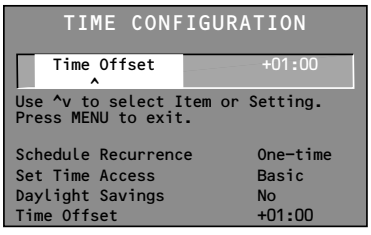
Time and Timers Menu

The Current Time and Schedule options night not be available to the basic user, depending on how they've been set by the master. Time Configuration isn't available in the basic menu.

Current Time Enter the current time. The on-screen directions guide you through the steps needed to set the time. This feature is accessible by basic users only if *Set Time Access* is set to *Basic* (unless an invalid time is received).

Schedule Set up a schedule for the TV to turn itself on and off. The on-screen directions guide you through the steps needed to set the schedule. (If the current time has not been set, you will be required to set it.) This feature isn't available to basic users if *Schedule Recurrence* is set to *Disabled.*

Note that pressing the RESET button while in the Schedule control panel clears both the start and stop times and selects *Inactive* in the *Schedule Status* field.



Time Configuration This control panel lets you control several time-related functions. Scroll to the feature you want to set in the *Item* field. Then, highlight the Setting field and scroll to select the setting you want for that item. Your choice should be reflected in the table at the bottom of the control panel.

Schedule Recurrence Select what sort of access you want users to have to the scheduling function:

Disabled Prevents the basic user from viewing or changing the *Schedule* menu item.

Recurring This schedule is in effect indefinitely; both the master and basic user can view and change the *Schedule* menu item.

One-time This schedule is only active once unless reset; both the master and basic user can view and change the *Schedule* menu item.

Set Time Access Select who is able to change the current time:

Disabled Prevents the basic user from viewing or changing the *Current Time* menu item unless an invalid time is received. The basic user will still be able to view the current time in the Status Display if a time has been set.

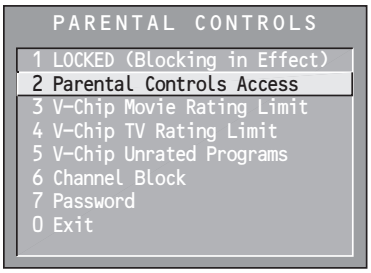
Automatic TV sets the time using a time-set channel. Basic users can view the *Current Time* menu item, but cannot change it.

Basic Both the master and basic user can view and change the *Current Time* menu item.

Daylight Savings When on, the TV adjusts for daylight savings time.

Time Offset Set an offset (from +12 to -12 hours) from Universal Time (UTC). Common US offsets from UTC are:

Eastern	-5:00
Central	-6:00
Mountain	-7:00
Pacific	-8:00
Alaska	-9:00
Hawaii	-10:00



Parental Controls

If basic users are able to access the Parental Controls menu, the master user can still set limited access within the menu through the Parental Controls Access menu. Setting movie and TV ratings, content themes, etc. are explained in Chapter 3.

Parental Controls Access You can choose which of the following Parental Controls menu items basic users have access to (*Setting* toggles between *Basic* and *NoBasic*):

Movie Rating Access This feature determines whether the Movie Rating Limit screen is accessible through the basic menus.

TV Rating Access This feature determines whether the TV Rating Limit screen is accessible through the basic menus.

Unrated Prog. Block This feature determines whether the Unrated Program Block feature is accessible through the basic menus.

Channel Block This feature determines whether the Channel Block feature is accessible through the basic menus.

Types of Remote Controls

All of the remote controls mentioned here, in addition to other remotes and accessories, are available from your RCA distributor. Descriptions of the remote buttons and how they work are on the next pages. Except as otherwise specified, the master remote is the remote described throughout the manual for operating the TV and setting up the TV's features.

Master Remotes

The master remote control (CRK17TD1) allows access to all of the TV's menus. It is used to customize the TV's functionality for specific users or specific situations.

Basic Remotes

The basic remote control (CRK17TC1) is used by the viewer for basic operating functions. It is designed so that the viewer cannot alter certain master remote-specified features. The *Sleep, Closed Captioning,* and *Channel Guide* features can be accessed directly with remote buttons.

Universal Remotes

These remote controls offer basic control of the television within the limits specified through the master remote (i.e., with the same limitations as the CRK17TC1). In addition, they can be programmed to control other components (such as VCRs).

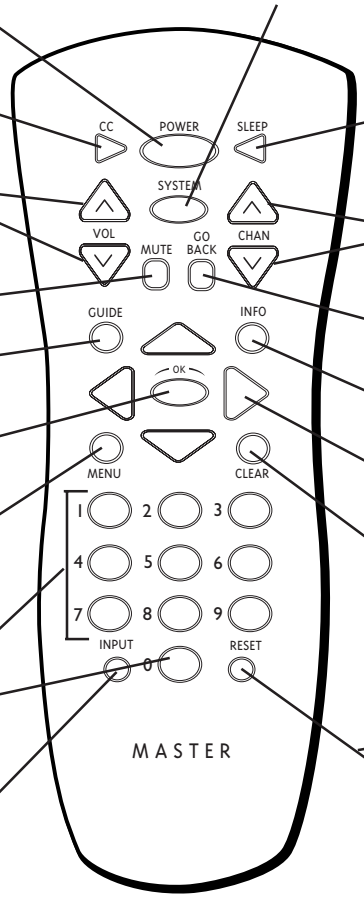
ClonePro

The ClonePro has main operating buttons that function the same as a master remote.

Hospital-Type Remotes

These specialized remote controls are UL-recognized for use in patient beds. Some offer simple, single-button operation of the TV; others have enhanced capability for greater control. Specific models and requirements depend upon what other devices might also be in the room, such as nurse-call systems. See your distributor for more information.

Master (CRK17TD1) or Basic (CRK17TC1) Remote Buttons



POWER Turns the TV on or off.

SYSTEM This button allows the remote to change between TV1 and TV2 mode. It also allows access to system-defined functionality, when available. See the description later in this chapter for more details.

CC (Closed Captioning) Displays the Closed-Caption Display.

SLEEP On first press, displays the Sleep Timer control panel, which allows the user to set a time for the TV to turn itself off. Subsequent presses increase the Sleep Timer's setting by 15-minute increments.

VOL (Volume up or down) Decrease or increase the TV's volume (unless Volume Hold is on). Go to Chapter 1 for more information on Volume Hold.

CHAN (Channel up or down) Scans up and down through channels in the TV's memory.

MUTE Lowers the volume to its minimum level. Press again to restore volume.

GO BACK Tunes to the last selected channel or video input.

GUIDE Displays the Channel Guide.

INFO Displays channel information.

OK Press OK to select a menu item that is highlighted.

Arrow buttons (up, down, left, right) Use to move through the on-screen menus.

MENU Displays the TV's master Main menu if using a master remote. Displays the basic Main menu if using a basic remote.

CLEAR Removes any menu or display from the screen and returns you to TV viewing.

Digit Buttons (0-9) Selects an available channel number or numbered menu option. Two digits must be pressed for each channel. Press 0 then 6 for channel 6. For three-digit channel numbers, press and hold 1 until "1--" appears on the screen. Then press the other two digits.

RESET (CRK17TD1) Returns the picture to the original settings and displays the Picture Presets choice list.

INPUT Switches between TV (channels 01-125) and other available inputs. See the description later in this chapter for more details.

SKIP (Commercial Skip- CRK17TC1) If you press this button before you change the channel, the TV waits 30 seconds then takes you back to the original channel. Each subsequent press adds 30 seconds to the skip time. Press CLEAR to cancel. Also functions as RESET in some menus.

Universal Remote Buttons (CRK76TK1)

ON•OFF Turns the TV on and off. When the remote is in another mode and the remote is programmed to operate that component, press ON•OFF to turn that component on and off.

VCR1 Puts the remote in VCR mode. If you set up Auto Tuning, pressing VCR1 tunes the TV to the correct channel.

VCR2 Puts the remote in VCR mode to control a second VCR. If you set up Auto Tuning, pressing VCR2 tunes the TV to the correct channel.

DVD Puts the remote in DVD mode. If you set up Auto Tuning, pressing DVD tunes the TV to the correct channel.

MUTE Lowers the volume to its minimum level. Press again to restore volume.

VOL (up and down) buttons Decrease or increase the TV's volume, unless Volume Hold is enabled. Go to Chapter 1 for more information on Volume Hold.

CC Displays the *Closed-Caption Display*.

GUIDE Displays the Channel Guide.

Arrow buttons (up, down, left, right) Use to move through the on-screen menus. Also moves PIP window to different areas on the screen.

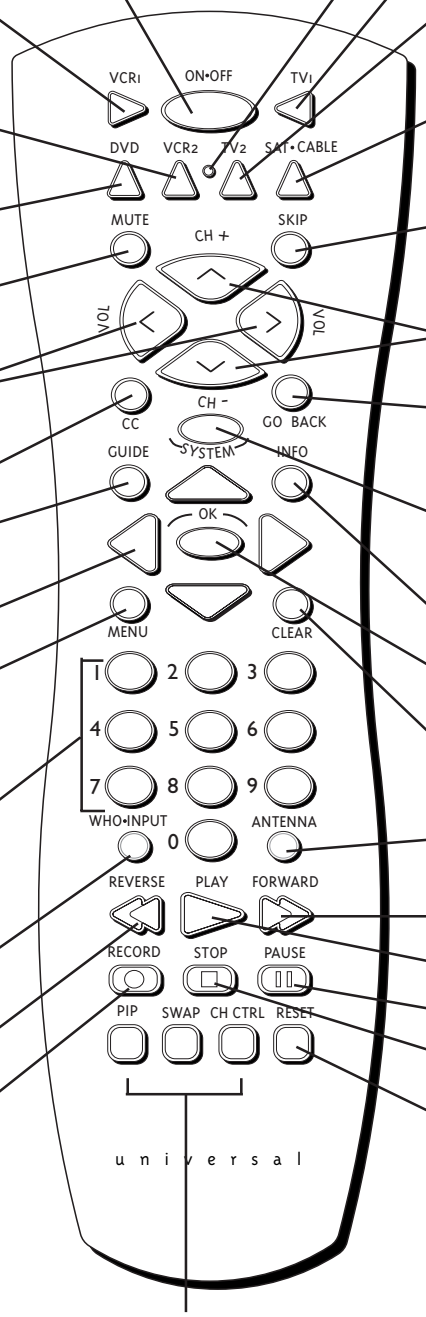
MENU Displays the TV's Main menu.

0-9 (Number buttons) Use to enter channel numbers and time settings. To enter a two-digit channel, press the two digits. To enter a three-digit channel, press and hold the first digit for two seconds until two dashes appear to the right of the number, then add the second two.

WHO•INPUT In TV mode, press to toggle through the available Video Input channels. In SAT mode, press to select available channel lists.

REVERSE Press REVERSE to go backwards on a videotape or disc.

RECORD If the remote is in VCR mode, press to start recording.



L.E.D. Lights when you are programming the remote.

TV1 Turns on the TV and puts the remote in TV1 mode. Go to Chapter 1 for more information on TV1 mode.

TV2 Turns on the TV and puts the remote in TV2 mode. Go to Chapter 1 for more information on TV2 mode.

SAT•CABLE Puts the remote in SAT•CABLE mode. If you set up Auto Tuning, pressing SAT•CABLE tunes the TV to the correct channel.

SKIP If you press SKIP before you change the channel, the TV waits 30 seconds and then goes back to the original channel. Each subsequent press adds 30 seconds to the skip time. Press CLEAR to cancel.

CH (up and down) buttons Scan up or down through the current channel list.

GO BACK Tunes to the last selected channel or video input.

SYSTEM This button allows the remote to change between TV1 and TV2 mode. It also allows access to system-defined functionality, when available. See the description later in this chapter for more details.

INFO Displays channel information.

OK Press OK to select a menu item that is highlighted.

CLEAR Removes any menu or display from the screen and returns you to TV viewing.

ANTENNA Functions as TV/VCR button in VCR mode and TV/receiver button in SAT•CABLE mode.

FORWARD Press to advance a videotape or disc.

PLAY Plays a videotape or disc.

PAUSE Press to pause playback.

STOP Stops playing a videotape or disc.

RESET Returns the picture to the original settings and displays the Picture Presets choice list.

PIP, SWAP and CH CTRL do not have a function for these models

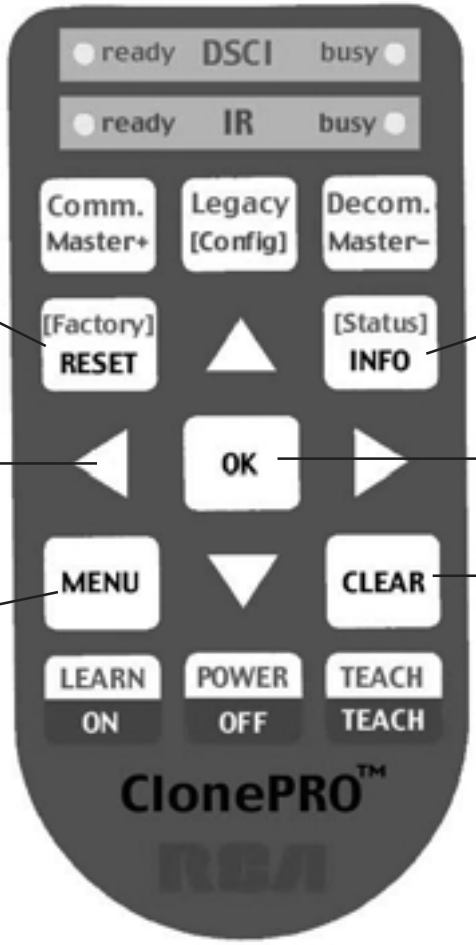
ClonePRO™ Remote Buttons

The ClonePRO can be used as a master remote. Some of the buttons only apply when using the ClonePRO download or upload information to or from a TV. Those buttons are described in Chapter 4.

RESET Returns the picture to the original settings and displays the Picture Presets choice list.

Arrow buttons (up, down, left, right) Use to move through the on-screen menus. When a menu isn't displayed, the up and down arrows scan the channel list. The left and right arrows decrease or increase the TV's volume, unless Volume Hold is enabled. Go to Chapter 1 for more information on Volume Hold.

MENU Displays the TV's Main menu.



INFO Displays channel information.

OK Press OK to select a menu item that is highlighted.

CLEAR Removes any menu or display from the screen and returns you to TV viewing.

Using the WHO•INPUT or INPUT Button

Use the WHO•INPUT or INPUT button to toggle through the available input sources and view the content from the component you have connected to the TV.

1. Press TV to place the remote in TV mode. Make sure that the content from the component is turned ON.
2. Press WHO•INPUT or INPUT to tune to the available input source and view the component.
3. Press WHO•INPUT or INPUT again to tune back to the channel you were previously watching.

Using the SYSTEM Button

When the television is connected to an interactive system or similar device, the SYSTEM button allows you to access system programming or other special functionality through the DSCI jack (formerly called "Smartplug").

On a master or basic remote, the SYSTEM button can also allow independent remote control of two TVs. Once you have specified TV1 or TV2 status for the TVs (*Access & Power Options* menu in Chapter 1), follow these steps to tell the remote which TV you want to operate:

1. On the remote control, simultaneously press and hold the SYSTEM button and 1 (for TV1) or 2 (for TV2).
2. After three seconds, release the buttons. The specified TV should now respond to that remote.
3. To control the other TV, simply repeat the process using the other (1 or 2) button.

Programming the Remote to Operate Other Components

The universal remote control can be programmed to operate most brands of remote controllable VCRs, DVD players, audio receivers, satellite receivers and cable boxes. The remote is already programmed to operate most RCA, GE and Proscan VCRs, DVD players, audio receivers and satellite receivers.

Note: The DVD button cannot be programmed.

Find Out If You Need to Program the Remote

To determine whether the remote needs to be programmed, turn a component ON, point the remote at the component, and press the component button. Then press ON•OFF or channel up or channel down to see if the component responds to the remote commands. If not, the remote needs to be programmed.

1. Turn on the component you want the remote to operate.
2. Look up the brand and code number(s) for the component on the code list at the end of the chapter
3. Press and hold the component button that corresponds to the component you want the remote to operate (VCR, etc.)
4. Enter the code from the code list.
5. Release the component button.
6. Press ON•OFF to see if the component responds to the remote commands. If it doesn't, try pressing the component button and then ON•OFF again.
7. If you get no response, repeat these steps using the next code listed for your brand until the component responds to the remote commands.

How to Use the Remote After You've Programmed It

Once the remote has been programmed successfully, you are ready to use it to control your components. To operate the component:

1. Press the component button (VCR1, VCR2, DVD, or SAT•CABLE) to set the remote to operate the component.
2. Press ON•OFF to turn the component ON or OFF.
3. Use the remote buttons that apply to that component.

Note: If you keep pressing buttons and nothing happens, the remote is probably in the wrong mode. You must press the component button that matches the component you want to operate (i.e., if you want to operate the VCR, press VCR1 on the remote control to put the remote in VCR mode.)

Remote Codes

VCRs

Admiral 2131
Adventura 2026
Aiko 2027
Aiwa 2002, 2026
Akai 2003, 2004, 2005, 2007, 2008, 2111,2112, 2113
American High 2021
Asha 2013
Audio Dynamics 2009, 2010
Audiovox 2014
Bell & Howell 2011
Beaumark 2013
Broksonic 2012, 2025
Calix 2014
Candle 2013, 2014, 2015, 2016, 2017, 2018, 2019
Canon 2021, 2022, 2114
Capehart 2020, 2110
Carver 2062
CCE 2027, 2061
Citizen 2013, 2014, 2015, 2016, 2017, 2018,2019,2027
Colortyme 2009
Colt 2061
Craig 2013, 2014, 2023, 2061
Curtis-Mathes ..... 2000, 2002, 2009, 2013, ... 2016, 2018, 2021, 2022, 2024, 2115
Cybernex 2013
Daewoo 2015, 2017, 2019,2025, 2026, 2027, 2028, 2110
Daytron 2110
Dbx 2009, 2010
Dimensia 2000
Dynatech 2002, 2026
Electrohome 2014, 2029
Electrophonic 2014
Emerson ..... 2002, 2012,2014, ... 2015, 2021, 2024, 2025,2026,2029, 2030, 2032, ... 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, ... 2042, 2044, 2045, 2047, 2065, 2105, 2113, 2116, 2117, 2130
Fisher 2011, 2023, 2048, 2049, 2050, 2051, 2052,2118
Fuji 2021, 2119
Funai 2002, 2026
Garrard 2026
GE 2000, 2001, 2013, 2021, 2022, 2053, 2115, 2120
Goldstar 2009, 2014, 2018, 2054, 2121
Gradiente 2026
Harley Davidson 2026
Harman Kardon 2009
Harwood 2061
Headquarter 2011
Hitachi 2002, 2055, 2056, 2057, 2107, 2111, 2120, 2122
HI-Q 2023
Instant Replay 2021
JCL 2021
JC Penney ..... 2009, 2010, 2011, 2013, 2014, 2021, ... 2022, 2055, 2056, 2058, 2059, 2060, 2107, 2118
Jensen 2055, 2056, 2111
JVC 2009, 2010, 2011, 2018, 2058, 2111, 2123
Kenwood 2009, 2010, 2011, 2016, 2018, 2058, 2111,2123
KLH 2061
Kodak 2014, 2021
Lloyd 2002, 2026
Logik 2061
LXI 2014
Magnavox 2021, 2022, 2062, 2063, 2104, 2108, 2124
Magnin 2013
Marantz ..... 2009, 2010, 2011, ... 2016, 2018, 2021, 2058, 2062,2064
Marta 2014
Masushita 2021
MEI 2021
Memorex ..... 2002, 2011, 2013, ... 2014, 2021, 2023, 2026, 2104, 2131
MGA 2029, 2065, 2113
MGN Technology 2013
Midland 2053
Minolta 2055, 2056, 2107
Mitsubishi ..... 2029, 2055, 2056, 2065, 2066, 2067, 2069, ... 2070, 2071, 2072, 2073, 2074, 2106, 2113, 2123
Montgomery Ward 2075, 2131
Motorola 2021,2131
MTC 2002, 2013, 2026
Multitech 2002, 2013, 2016, 2026, 2053, 2061
NEC ..... 2009, 2010, 2011, 2016, 2018, ... 2058, 2064, 2076, 2078, 2079, 2111, 2123
Nikko 2014
Noblex 2013
Olympus 2021
Optimus 2014, 2131
Optonica 2096
Orion 2035
Panasonic 2021, 2022, 2109, 2125, 2126, 2127
Pentax 2016, 2055, 2056, 2107, 2120
Pentex Research 2018
Philco 2021, 2022, 2062, 2063
Philips 2021, 2062, 2096, 2124
Pilot 2014
Pioneer 2010, 2055, 2080, 2081, 2123
Portland 2016, 2017, 2019, 2110
PROSCAN 2000, 2001
Protec 2061
Pulsar 2104
Quarter 2011
Quartz 2011
Quasar 2021, 2022, 2125
RCA ..... 2000, 2001, 2003, 2013, 2021, ... 2055, 2056, 2082, 2083, 2084,2085, 2086,2087, ... 2088, 2089, 2090, 2091, 2107, 2115, 2120, 2125
Radioshack/Realistic ..... 2002, 2011, 2013, 2014 ..... 2021, 2022, 2023, 2026, 2029, 2049, 2050, 2096, 2131
Radix 2014
Randex 2014
Ricoh 2128
Runco 2104
Samsung 2005, 2013, 2015, 2033, 2053, 2112
Sanky 2131, 2104
Sansui 2010, 2092, 2111, 2123
Sanyo 2011, 2013, 2023
Scott .. 2012, 2015, 2025, 2032, 2035, 2038, 2065, 2093, 2116
Sears ..... 2011, 2014, 2021, 2023, 2048, ... 2049, 2050, 2051, 2055, 2056, 2107, 2118
Sharp 2002, 2017, 2029, 2094, 2095, 2096, 2131
Shintom 2004, 2056, 2061, 2098
Shogun 2013
Signature 2002, 2131
Singer 2021, 2061, 2128
Sony 2002, 2004, 2098, 2099, 2119, 2128
STS 2021, 2107
Sylvania 2002, 2021, 2022, 2026, 2062, 2063, 2065, 2124
Symphonic 2002, 2026
Tandy 2002, 2011
Tashiko 2014
Tatung 2058, 2111
TEAC 2002, 2026, 2058, 2085, 2111
Technics 2021, 2109
Teknika 2002, 2014, 2021, 2026, 2100, 2129
TMK 2013, 2024,79047
Toshiba 2015, 2049, 2051, 2055, 2065, 2093, 2116
ToteVision 2013, 2014
Unitech 2013
Vector Research 2009, 2010, 2015, 2016
Victor 2010
Video Concepts 2009, 2010, 2015, 2016, 2113
Videosonic 2013
Wards ..... 2002, 2013, 2014, 2015, 2021, 2023, 2026, 2029, . 2055, 2056, 2061, 2096, 2101, 2102, 2103, 2107, 2116, 2131
XR-1000 ..... 2021, 2026, 2061
Yamaha 2009, 2010, 2011, 2018, 2058, 2111
Zenith 2004, 2098, 2104, 2119, 2128

Cable Boxes

ABC 5002, 5003, 5004, 5005, 5006, 5007, 5053
Antronix 5008, 5009
Archer 5008, 5009, 5010, 5011
Cabletenna 5008
Cableview 5008
Century 5011
Citizen 5011
Colour Voice 5012, 5013
Comtronics 5014, 5015
Contec 5016
Jasco 5011
Jerrold 5003, 5005, 5007,5018, 5023, 5024, 5046, 5053
Magnavox 5025
Memorex 5026
Movie Time 5002, 5027, 5028
NSC 5002, 5027, 5028
Oak 5002,5016, 5029
Panasonic 5048, 5052
Paragon 5026
Philips 5011, 5012, 5013, 5019,5025, 5030, 5031, 5032
Pioneer 5033, 5034
Pulsar 5026
RCA 5047, 5049, 5052
Realistic 5009, 5049
Regal 5022, 5035
Regency 5017
Rembrandt 5003
Runco 5026
Samsung 5014, 5034
Scientific Atlanta 5006, 5036, 5037, 5038
Signal 5014, 5018
Signature 5003
SL Marx 5014
Sprucer 5052
Starcom 5007, 5018, 5053
Stargate 5014, 5018
Starquest 5018
Tandy 5040
Teleview 5014
Tocom 5004, 5023, 5041
Toshiba 5026
Tusa 5018
TV86 5027
Unika 5008, 5009, 5011
United Artists 5002
United Cable 5053
Universal 5008, 5009, 5010, 5011
Videoway 5044
Viewstar 5015, 5025, 5027, 5040
Zenith 5026, 5050, 5051

Satellite Receivers

Chapparal 5056, 5057
Drake 5058, 5059
GE 5000
General Instruments 5060, 5061, 5062
Panasonic 5075
Primestar 5076
PROSCAN 5000
RCA 5000
Realistic 5063
Sony 5072
STS1 5064
STS2 5065
STS3 5066
STS4 5067
Toshiba 5068
Toshiba 5073
Uniden 5069

Audio

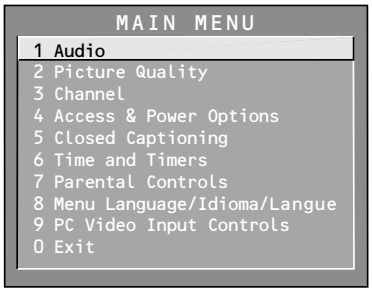
(for RCA and Dimensia brands only)

AM/FM 4003
Aux 4004
Phono 4005
CD 4007
Tape 4006

Chapter 3: Using the TV's Menu System

How to Use Your TV's Menu System

Use the buttons on the remote or the front of your TV to access the menu system and make changes to the settings.



Menus

Press MENU on the remote or on the front panel to bring up the Main menu.

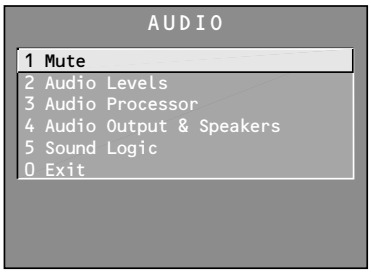
There are two ways to select a choice in a menu:

- Use your arrow buttons on your remote control to highlight your choice, and press OK.
- Press a number button on the remote. For example, in the Main menu press 3 to go straight to the *Screen* menu.

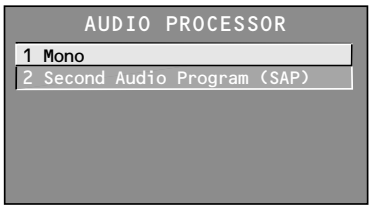
Exiting a menu

There are three ways to exit a menu:

- Highlight *Exit* and press OK.
- Press 0 on the remote.
- Press CLEAR.



Models other than J20542 will feature these options under Audio Processor.



J20542 Audio Processor menu

Audio Menu

Mute Switches audio muting on or off.

Audio Levels Allows you to adjust the TV's *Balance*, *Treble*, *Bass*, *Initial Volume* and *Maximum Volume*. These options aren't available to the basic user. Go to Chapter 1 for more information.

Audio Processor Controls the available audio modes, which control the way the sound comes through your speakers.

Expanded Stereo* Electronically "widens" sound from stereo broadcasts, stereo VCRs, digital satellite systems, DVD players, and laserdisc players for a fuller, more spacious sound. This choice will not be present if *Fixed Output, Speakers Off* is selected from *Audio Output & Speakers*.

Stereo* Splits the incoming stereo audio signal into left and right channels. Most TV programs and recorded materials have stereo audio. The TV displays the word STEREO when you tune to a program that is broadcast in stereo.

Mono Plays the sound in mono only (same signal sent to all speakers). Use this setting when receiving broadcasts with weak stereo signals.

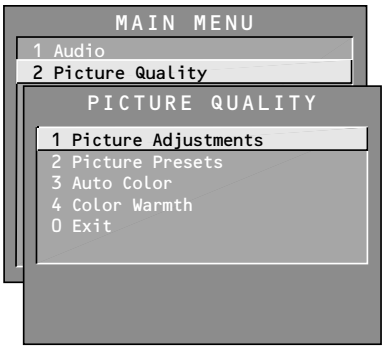
Second Audio Program (SAP) Plays the program's audio in a second language, if one is available. The TV displays the word SAP when you tune to a program that is broadcast with SAP information. SAP audio is broadcast in mono. SAP is also used to broadcast a program's audio with descriptions of the video for the visually impaired.

Volume Hold (for model J20542) This menu item is available for all models, but is listed under the Audio Output & Speakers option. Lets you turn Volume Hold on or off.

Audio Output & Speakers* Lets you turn the TV's internal speakers on or off and set the audio outputs to fixed-level or variable control level. This option isn't available to the basic user. Go to Chapter 1 for more information.

Sound Logic This option isn't available to the basic user. Go to Chapter 1 for more information.

*This feature is not available on model J20542.



Models J32435 and J36435 will have a fifth option in the Picture Quality menu—Picture Tilt.

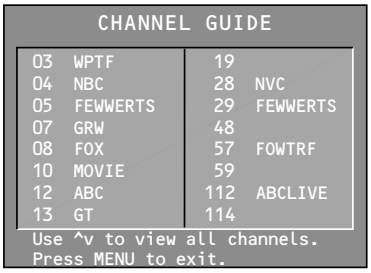
Picture Quality Menu

The Picture Quality menu items allow you to adjust the appearance of on-screen images. Pressing RESET on the remote control returns all Picture Quality menu settings to their factory defaults.

Picture Adjustments Displays the five slider controls for adjusting the way the picture looks . This option isn't available to the basic user. Go to Chapter 1 for more information.

Picture Presets Displays a choice list that lets you select one of four preset picture settings: Bright Lighting, Normal Lighting, Soft Lighting, or Custom Picture Preset. Custom Picture Preset is the default and will be selected if the RESET button is pressed while in this menu.

Auto Color , Color Warmth and **Picture Tilt** These options aren't available to the basic user. Go to Chapter 1 for more information.



Channel Menu

Channel Guide Displays the list of channels and their labels (if labelled) in the active channel list. Press GUIDE on the remote to display the Channel Guide menu. This is the only channel option available to basic users.

Channel Selection Allows the master user to set the initial channel and to select which of the three channel lists will be active (accessible to the basic user). Go to Chapter 1 for more information.

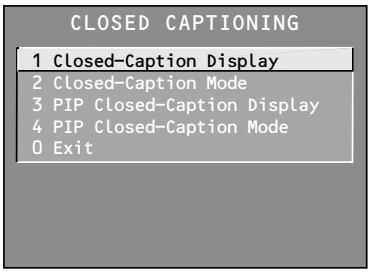
Signal Source Displays a choice list that lets you select the current signal source . Go to Chapter 1 for more information.

Auto Channel Search Tells the TV to search automatically for all the channels available through the antenna input. Go to Chapter 1 for more information.

List and Labels and Auto Tuning Go to Chapter 1 for more information.

Access & Power Options Menu

This control panel allows the master user to specify which features and functions basic users might be able to access, depending on how you set it up in Chapter 1. Go to that chapter for more information.



Closed Captioning Menu

Many programs are encoded with closed captioning information, which lets you display the audio portion of a program as text on the TV screen. Closed-Caption Display allows you to choose when closed-captioning is displayed. Closed-Caption Modes allow you to choose how closed captioning is displayed.

Closed captioning is not available on all channels at all times. It only appears on specific programs encoded with closed captioning information. When a program is closed captioned, the letters "CC" are displayed in the Channel Banner. Go to Chapter 4 for more information about the Channel banner.

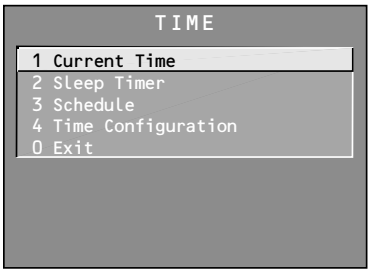
Closed-Caption Display

The Closed-Caption Display lets you choose when you want to have Closed Captioning on.

Closed-Caption Mode

Your TV offers eight closed-captioned modes, including four text modes. To set the Closed-Captioning Mode:

1. Select *Closed Captioning* from the Main menu.
2. Highlight *Closed-Caption Mode* and press OK. A choice list will appear:
3. Point to your choice and press OK to select it and return to the Closed Captioning menu.



Time and Timers Menu

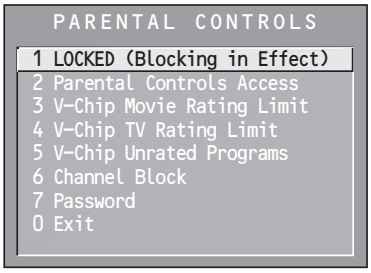
Current Time This option might not be available to basic users if Enter the current time. The on-screen directions guide you through the steps needed to set the time. This feature is accessible by basic users only if *Time Configuration* is set to *Basic* (unless an invalid time is received).

Sleep Timer Select the amount of time you want to give the TV before it shuts itself off (up to four hours). One minute before the scheduled shutoff, a warning will appear on the screen to let you know the Sleep Timer's status. When this message is displayed, any remote or front panel button press will turn the Sleep Timer off.

The Sleep Timer can also be accessed directly using the SLEEP button on the remote.

Schedule Set up a schedule for turning the TV on and off automatically. The on-screen directions guide you through the steps needed to set the schedule. (If the current time has not been set, you will be required to set it.)

Note that pressing the RESET button while in the Schedule control panel clears both the start and stop times and selects *Inactive* in the *Schedule Status* field.



Parental Controls and V-Chip

The first three choices in the *Parental Controls* menu involve software inside your TV (referred to as V-Chip) which allows you to block TV programs and movies based on violence, sex, or other content you may believe children should not view.

Once you block programs, you can unblock programs by entering a password.

By default, the software inside your TV is turned "off."

How V-Chip Works

V-Chip reads the program's age-based rating (TV-MA, TV-14, etc.) and content themes [(Violence (V), Adult Language (L), etc.)]. If you have blocked the rating and/or content themes that the program contains, you will receive the message, "This channel is not approved for viewing."

Broadcasters are not required to provide content themes, so programs received with no content themes will only be blocked if you block their age-based rating. You can also block out programs that have been given a rating of "Not Rated," and programs that are considered "unrated." The TV age-based ratings and content themes you can block are listed on the following page.

TV-MA – Mature Audience Only. Specifically designed to be viewed by adults and may be unsuitable for children under 17. It contains one or more of the following content themes: crude indecent language (L), explicit sexual activity (S), or graphic violence (V).

TV-14 – Parents Strongly Cautioned. Contains some material that many parents would find unsuitable for children under 14. Parents are strongly urged to exercise greater care in monitoring this program and are cautioned against letting children under the age of 14 watch unattended. This program contains one or more of the following content themes: intensely suggestive dialogue (D), strong coarse language (L), intense sexual situations (S), or intense violence (V).

TV-PG – Parental Guidance Suggested. Contains material that parents may find unsuitable for younger children. Many parents may want to watch it with their younger children. The program contains one or more of the following content themes: some suggestive dialogue (D), infrequent coarse language (L), some sexual situations (S), or moderate violence (V).

TV-G – General Audience. Most parents would find this program suitable for all ages. It contains little or no sexual dialogue (D) or situations (S), no strong language (L), and little or no violence (V).

TV-Y7 – Directed to Children 7 years and older. Designed for children ages 7 and above. It may be more appropriate for children who have acquired the developmental skills needed to distinguish between make-believe and reality. Themes and elements in this program may include mild fantasy violence (FV) or comedic violence, or may frighten children under the age of 7.

TV-Y – All Children. Themes and elements in this program are designed for a young audience, including children from ages 2-6. It is not expected to frighten younger children.

Lock/Unlock Parental Controls

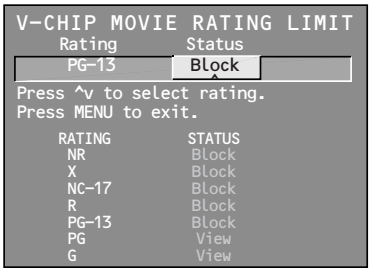
Selecting this option lets you lock and unlock Parental Controls settings using a password. Follow the on-screen instructions to lock or unlock blocked programming (the default password is 5625).

If you do not lock Parental Controls, none of the settings for V-Chip, Channel Block, or Front Panel Block will take effect.

Master users can enter a new password at any time through the *Password* menu option.

Parental Controls Access

This option isn't available to basic users. Go to Chapter 1 for more information.



V-Chip Movie Rating Limit

Set movie rating limits by blocking movies rated above a specified level.

To access the *V-CHIP MOVIE RATING LIMIT* menu:

1. Press MENU on the remote control (the *TV MAIN MENU* appears).
2. Select *Parental Controls*.
3. Select *V-Chip Movie Rating Limit* .

Blocking Movie Ratings

You can automatically block all program ratings above a specified age-based rating level.

To block programs with higher ratings:

1. Use the arrow buttons to highlight the *Rating* field.
2. Press the up/down arrow buttons on the remote to scroll to the rating corresponding with the lowest rating you do not want the child to watch.
3. Press the right arrow button to move the yellow highlight to the *Status* field.
4. Press the up or down arrow button to toggle between *View* and *Block*. The status for the rating listed to the left and all higher ratings automatically changes to *Block* (and *B)*.
5. Press OK on the remote to return to the menu or exit the screen when you are finished.
6. Select *Lock Parental Controls* from the *Parental Controls* menu. Enter a password; if you have not set your password, you will be prompted to enter it again.

V-Chip TV Rating Limit

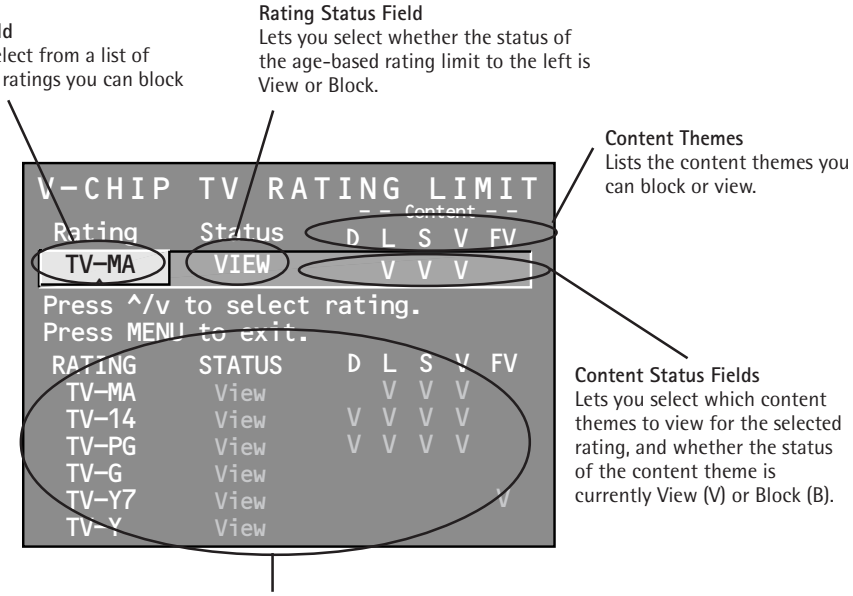
The *V-Chip TV Rating Limit* lets you decide which TV programs can and cannot be viewed. To set TV programming limits:

1. Choose *Parental Controls* from the Main menu. If Parental Controls are locked, you must enter your password. If they are not locked, you will get a message reminding you that your limits will not be effective until you lock Parental Controls.
2. Press MENU to continue.
3. Highlight and select *V-Chip TV Rating Limit*.
4. Use the arrow buttons and the OK button on your remote to change the status of a TV program rating or content theme from *View* to *Block*.

Changing the status of TV program limits is described in more detail later in the chapter.

The V-Chip Rating Limit Screen

The following is an example of where items are located within the Rating Limit screen.


Rating Field
Lets you select from a list of age-based ratings you can block or view.
Rating Status Field
Lets you select whether the status of the age-based rating limit to the left is View or Block.
Content Themes
Lists the content themes you can block or view.
V-CHIP TV RATING LIMIT
Rating
Status
Content
D L S V FV
TV-MA
VIEW
V V V
Press ^/v to select rating.
Press MENU to exit.
RATING STATUS D L S V FV
TV-MA View V V V
TV-14 View V V V V
TV-PG View V V V V
TV-G View
TV-Y7 View V
TV-Y View
Content Status Fields
Lets you select which content themes to view for the selected rating, and whether the status of the content theme is currently View (V) or Block (B).
Rating Settings Area
Lets you see the current block/view state of age-based ratings and associated content. The View (V) settings are coded in green, and the Block (B) settings are coded in red.

Hierarchy of Age-Based Ratings	
TV-MA	Mature Audience Only
TV-14	Parents Strongly Cautioned
TV-PG	Parental Guidance Suggested
TV-G	General Audience
TV-Y7	Directed to Children 7 years and older
TV-Y	All Children

Content Themes	
D	Sexually explicit dialogue
L	Adult language
S	Sexual situations
V	Violence
FV	Fantasy Violence

Blocking Age-Based Ratings

Once you are in the TV Ratings menu, follow the same steps described for blocking Movie ratings.

Viewing Age-Based Ratings

After you block age-based ratings, you can change some of the ratings back to *View*.

1. Use the up/down arrow buttons to select the rating with a status of *Block*.
2. Press the right arrow button to move the yellow highlight to the rating status field.
3. Press the up button to select *View*.

Note: The content status fields corresponding to the unblocked rating become View as well. They and the age-based rating status are the only fields that automatically change back to View when you complete this process.

Remember to lock Parental Controls for rating limits to take effect.

Blocking Specific Content Themes

You can block programs based on their content. (Content is represented by the D, L, S, V, FV and TV-Y on your screen.) When you block a content theme for a particular rating, you automatically block that content theme for higher rated programs as well.

To block program content, highlight the Content Field, and then follow the same steps described for blocking age-based ratings (above).

Notes: Broadcasters are not required to provide content themes or age-based ratings.

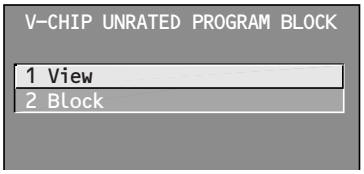
You must remember to lock Parental Controls for rating limits to take effect.

Viewing Specific Content Themes

If you block specific content themes, you have the option of going back and changing some of the content themes back to *(V) View*:

1. Determine the content themes you want to change to *(V) View*.
2. Use the up/down arrow buttons to scroll to the rating whose content theme you want to change to *View*.
3. Press the right arrow button to move the yellow highlight to a particular content theme status.
4. Press the up or down arrow button to change its status back to *V*.

Note: Only the content theme status corresponding to TV-14 (L) language changes to (V) View. Higher rated content themes, such as that for TV-MA language, do not change.

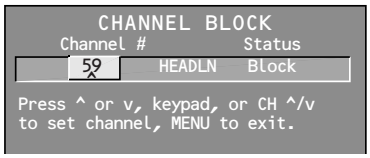


V-Chip Unrated Program Block

This option lets you decide if programs that the V-Chip recognizes as "unrated" can be viewed. "Unrated" TV programs may include news, sports, political, religious, local and weather programs, emergency bulletins, public announcements, and programs without ratings.

View All unrated programs are available.
Block All unrated programs are not available.

Note: You must remember to lock Parental Controls for rating limits to take effect.



Channel Block

Selecting this option lets you decide what channels can be viewed.

View Makes the selected channel viewable.

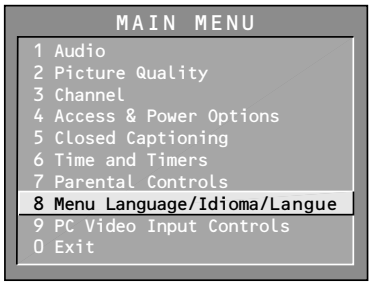
Block The front panel and remote control CH (channel) buttons will tune only to channels that you have marked as *View*. The remote will still tune to the blocked channel if you use the digits to access the channel, but the channel will be blocked.

Don't forget to lock parental controls after you change the status of *Channel Block*. If you don't, the channel block will not take effect.

Note: If you have a digital cable box channels 126-999 can be blocked but will not be removable from your scan list.

Password

Selecting this option lets you specify a Parental Controls password (the default password is 5625 —spells "lock" on a telephone-style keypad). Master users can enter a new password without being prompted for the old one. Basic users must enter the old password before they can create a new one.



Menu Language

Use the arrow buttons on the remote to highlight your preferred language for the menu system. Press OK to select that language.

Chapter 4: Other Information

Using the ClonePRO™

Modes of operation

The ClonePRO operates from one of two modes:

DSCI Connect a DSCI cable to the ClonePRO and to the TV's DSCI port on the back panel.

IR The wireless operation. Press ON to begin using the remote in IR mode.

The corresponding "**ready**" light indicates the mode of operation, and the corresponding "**busy**" light indicates activity in this mode.

Buttons with black labels function similarly in both modes, while green labels operate DSCI mode and red labels operate IR mode.

DSCI mode

The ClonePRO enters this mode when it is connected to the TV's **D**igital **S**erial **C**ommunications **I**nterface port ("SmartPlug") via a cable (included).

- Any standard (no-flip, 1-to-1) 8-conductor computer-networking cable may be used.
- No battery is required in this mode.
- If the unit is already in **IR** mode, press **OFF** to speed the transition to **DSCI** mode.

DSCI (green) buttons

Comm Restores the TV to normal commercial operation, essentially undoing the effect of the **Legacy** and **Decom** buttons.

Decom "Decommercializes" the TV to facilitate aftermarket resale.

[Factory] Press and hold the **RESET** button for several seconds to re-initialization of the TV, reverting all settings to factory defaults.

Note: Pressing Factory overwrites any settings already in the TV.

LEARN Begins the process of learning the settings from a TV that has been setup as desired.

Note: Pressing LEARN overwrites any settings already in the ClonePRO.

Legacy Places the TV in a mode in which it emulates the behavior of older models- a required part of the configuration for some applications.

POWER Turns on the TV. It is recommended, though not required, when in DSCI mode to view on-screen displays.

[Status]: Press and hold the **INFO** button for several seconds to display settings stored in the ClonePRO and the TV. For example:

Mem: CB:36 TV:36

This tells you the ClonePRO and the TV have 36 pages of information stored in memory.

Across the screen are red dashes. Press any button on the remote control you are using. Red pulses should appear, telling you the TV is recognizing the remote and is able to send out that information. If red pulses don't appear, contact your RCA distributor.

TEACH: This begins the process of teaching the settings stored in the ClonePRO to the TV to which it is connected.

Note: Pressing TEACH overwrites any settings already in the TV.

After successful teaching, the TV will turn off and reboot.

If the memory-image stored in the clone-box is not valid for the TV, an on-screen message will advise of the conflicting memory-sizes.

IR mode

The ClonePRO enters this mode when the operator presses a button on the bottom row of the keypad (without connection to a TV DSCI port). A standard 9V battery (accessed via a small rear panel) is required to enable this mode.

Notes: Like any IR (infra-red) remote control, the ClonePRO requires a reasonable "line of sight" between it and the TV for proper signaling. Obstructions, long distances, sharp angles and certain specialty lighting can reduce the effective range of the unit.

If the "IR ready" light stays on longer than 1 minute by itself, temporarily remove the battery from the unit to reset the unit.

Remove the battery prior to long-term storage of the unit.

IR (red) Buttons

Note: You must press the ON button for the IR buttons to operate.

Master+ & **Master-** The Master- button disables access to the TV's master menus via the master remote. (Some third-party devices, attached to the TV's DSCI port as part of a larger system, may disable access to master menus even after they are disconnected.) To enable the master menus, press Master+.

OFF Turns the TV off, as well as turning the ClonePRO off.

ON Turns the TV on, as well as turning on the ClonePRO into **IR** mode, ready for subsequent buttons. Note that the unit will automatically turn itself off 30 seconds after the last button has been pressed to extend battery-life.

TEACH Begins teaching the settings stored in the ClonePRO to the TV, effectively "Cloning" the initially configured TV.

Note: Pressing TEACH overwrites any settings already in the TV.

- A TV must be turned on before being taught in **IR** mode.
- After successful teaching, the TV turns off and reboots.
- If the TV displays the message *Cloning Timeout* or *Cloning Aborted*, press **TEACH** again to retry, experimenting with the ClonePRO at different distances and angles from the TV.
- If no valid settings have been stored via a **DSCI LEARN**, the **IR ready** light will come on but nothing will appear on the TV screen.

Buttons for IR and DSCI modes

MENU, CLEAR, RESET, INFO, OK and the arrow buttons Use these buttons as if they were on a master remote-control, to operate the TV. Go to page 13 for information on using these buttons.

Cloning a TV

Use the ClonePRO or a master remote to complete any necessary setup steps to the TV, such as Auto Channel Search, changing Access & Power options, etc. Go to Chapter 1 for more information on setting up the TV. When you have finished setting up the TV, you can use it as your "example" TV.

1. Connect the ClonePRO to the "example" TV's DSCI port.
2. It is recommended, though not required, to turn on the TV. Press the POWER button.
3. Press the LEARN button to begin the cloning process. When it is complete, *Cloning Complete* is displayed on-screen.
4. Take the ClonePRO to each subsequent TV and then (in either **DSCI** or **IR** mode) **TEACH** each TV, monitoring the process on-screen.

The settings learned by the ClonePRO remain indefinitely, ready to **TEACH** the next TV until overwritten by a new **LEARN** operation.

General troubleshooting

The ClonePRO cannot be used to "cross clone" (to copy the memory of older models into newer models, or vice versa), because the two have completely different memory-maps, memory-sizes, features and settings.

IR TEACH for older models may be made more reliable by first filling the memory of the "learn from" TV with channel-labels on unused channels.

After an **IR TEACH**, older-model TV's do not need to reboot.

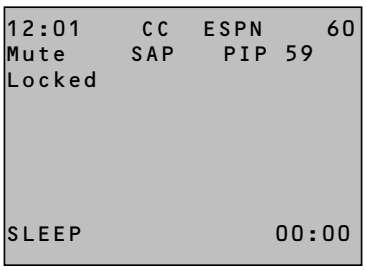
[Config]: Pressing and holding this button in **IR** mode toggles the "decommercialization" and aftermarket resale of older-model televisions. **Note that this is not reversible after turning-off older-model TV's.**

DSCI mode troubleshooting

- Make sure the TV plugged in to a live electrical outlet
- Make sure the ClonePRO is plugged into the TV's DSCI port
- The connecting cable should have at least 6 wires, mapping 1-to-1 (not "flipped")

IR mode troubleshooting

- If the ClonePRO isn't working, check the battery. Place a new 9V battery in the unit if the battery is old.
- Make sure the ClonePRO is pointed at the TV with a clear "line of sight"
- If you are trying to **TEACH** , make sure there is a valid memory stored in the ClonePRO (Check by going into DSCI-mode **[Status]**.)



Channel Banner

There are several indicators that might appear when you press the TV or INFO buttons on the remote. This display is called the Channel Banner. The following list describes the items on the Channel Banner screen (left to right and top to bottom).

12:01 Displays the current time.

CC Displayed when Closed Captioning is available on the current channel.

ESPN Displays the label assigned to the current channel.

60 Displays the current channel or input channel (FRNT).

Mute Mute is displayed when you mute the audio.

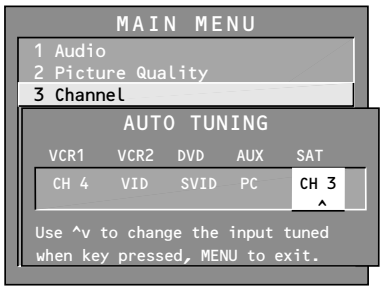
SAP Displayed when the current channel is broadcasting SAP (Second Audio Program) information.

PIP 59 Displays the current PIP channel.

Locked Displayed to indicate when Parental Controls are locked or unlocked.

SLEEP Displayed when the Sleep Timer has been set.

00:00 Displayed to count down time left on the commercial skip (SKIP) timer.



If a component button has not been programmed, its input will appear as "----."

Why You Should Use the Auto Tuning Feature

The auto-tuning feature tunes the TV to the correct channel for different components you have connected to your TV (like a VCR, DVD Player, etc.) When you set up auto tuning in the menu system you don't have to remember to change your TV to channel 3, for example, when you want to watch the tape in your VCR.

How to Set Up the Auto Tuning Feature

The way you set up the auto tuning feature in the TV's menu corresponds to the component buttons on the remote and the way you have each component connected to your TV. When you set auto tuning, you're telling the TV what channel to tune to when you press the VCR, DVD, or SAT•CABLE button on the remote control.

1. Press MENU (the *TV MAIN MENU* appears).
2. Highlight *Channel* and press OK on your remote control.
3. Highlight *Auto Tuning* and press OK.
4. Choose which channel you would like to set:

   VCR1 Select the channel that the TV tunes to when you press the VCR1 button.

   VCR2 Select the channel that the TV tunes to when you press the VCR2 button.

   DVD Select the channel that the TV tunes to when you press the DVD button.

   AUX Select the channel that the TV tunes to when you press the AUX button (for remotes with the AUX button).

   SAT Select the channel that the TV tunes to when you press the SAT (or SAT•CABLE) button.

The input choices are (not all choices available on all models) :

5. Highlight the choice that matches the way you have the component connected to this TV, and press OK.

The choices and a brief explanation follow:

Ch 3 Choose this if your component is only connected to the antenna jack on the back of the TV. Reminder: Make sure the component's Ch 3/4 switch is set to channel 3.

Ch 4 Choose this if your component is only connected to the antenna jack on the back of the TV. Reminder: Make sure the component's Ch 3/4 switch is set to channel 4.

VID Choose this if your component is connected to the Audio/Video IN jacks on the back of the TV. The TV will tune to the VID input when you press the specified component button.

SVID (not available on model J20542) Choose this if your component is connected to the S-VIDEO jack on the back of the TV. The TV will tune to the SVID input when you press the specified component button. Reminder: Make sure to also connect audio cables to get sound when using S-Video.

S-VHS, or Super-VHS, is an extended format of VHS and improves the picture quality of the signal passing through the S-VIDEO input.

Troubleshooting

Most problems you encounter with your TV you can correct by consulting the Troubleshooting list that follows.

Note: If you prefer, we can provide you with the name of an Authorized Service Representative who will visit your home for a fee to install your electronic entertainment system and to instruct you in its operation. For details about this service, call 1-888-206-3359.

TV Problems

TV won't turn on

- Press the TV button.
- Make sure the TV is plugged in.
- Check the wall receptacle (or extension cord) to make sure it is "live" by plugging in something else.
- Something might be wrong with your remote control. Press the POWER button on the front of the TV. If the TV turns on, check the remote control solutions on page 27.
- The front panel controls may be locked (disabled). Use the remote control to unlock the front panel controls by selecting the *Front Panel Block* in the *Parental Controls* menu and choosing *Unblock*.

Controls don't work

- If you're using the remote control, press the TV button first to make sure the remote is in TV mode.
- The front panel controls may be locked (disabled). Use the remote control to unlock the front panel controls by selecting the *Front Panel Block* in the *Parental Controls* menu and choosing *Unblock*.
- Unplug the TV for two minutes and then plug it back in. Turn the TV on and try again.

TV turns off while playing

- Scheduled Off function may have been activated. Go to page 9 for instructions.
- Electronic protection circuit may have been activated because of a power surge. Wait 30 seconds and then turn the TV on again. If this happens frequently, the voltage in your house may be abnormally high or low.
- Sleep Timer or Energy Saver may have been set.

TV turns on unexpectedly

- Scheduled On may have been activated. Go to page 9 for instructions.

Blank screen

- Make sure the component connected to the TV is turned on.
- Try another channel.
- Press RESET, in case the picture controls are set too low.

No sound, picture okay

- Maybe sound is muted. Press the volume up button to restore sound.
- Maybe speakers are turned off. Check the *Audio Output* and *Speakers* control panel in the *Audio* menu. Go to page 7 for detailed instructions.
- Maybe Maximum Volume was set low. Check *Audio Levels* control panel in the *Audio* menu.

Can't select certain channel

- Channel may be blocked or not approved in the *Parental Controls* menu.
- If using a VCR, make sure the TV/VCR button on the VCR is in the correct mode (press the TV/VCR button on your VCR).

Noisy stereo reception

- The station might be weak. Press the SOUND button on your remote control to change from stereo to mono.

No picture, no sound but TV is on

- Maybe the cable/air setting is set to the wrong position. Select *Signal Source* from the *Channel* menu. Go to page 8 for more information.
- The channel might be empty — change channels.
- If you're watching your VCR and it's connected with coaxial cable to the CABLE/ANTENNA jack, tune the TV to channel 3 or 4 (whichever channel is selected on the 3/4 switch on the back of your VCR). Also check to make sure the TV/VCR button on the VCR is in the correct mode (press the TV/VCR button on your VCR).
- If you're trying to watch content from a component that's connected to the TV (like a DVD player or VCR), press the INPUT button on the remote control until the content appears.
- Weak Signal Muting and blanking may be on. Check *Signal Source* in the *Channel* menu.

Sound okay, picture poor

- Check antenna connections. Make sure all of the cables are firmly connected to the jacks.
- Try adjusting sharpness function to improve weak signals. Go to page 7 for more instructions.

Black box appears on the screen

- Closed-captioning might be on. Check the *Closed-Caption Display* control panel in the *Closed-Captioning* menu. Go to page 17 for more instructions.

Can't see commercial skip timer

- If closed-captioning is on, skip timer does not stay on-screen. To turn off closed-captioning, go to page 17.

The Remote Control Doesn't Work

- Something might be between the remote and the remote sensor on the component. Make sure there is a clear path.
- Maybe the remote isn't aimed directly at the component (TV or VCR) that you're trying to operate.
- Maybe remote is not in TV Mode. Press the TV button so remote will control TV.
- Maybe batteries in remote are weak, dead or installed incorrectly. Put new batteries in the remote. (Note, if you remove the batteries, you may have to reprogram the remote to operate other components.)
- You might need to drain the remote's microprocessor: remove batteries and press the number 1 button for at least 60 seconds. Release the 1 button, replace the batteries, and (if necessary) program the remote again.

Problems with V-Chip/Parental Controls

The rating limits don't work

- You must lock the settings. Go to the Main menu, select *Parental Controls*, then *Lock Parental Controls*.

I don't remember my password and I want to unlock the TV

- Use the master remote to access the *Password* option in the *Parental Controls* menu.

The V-Chip won't let me watch a program even though it's not rated as violent.

- Maybe the movie was given an NR (Not Rated) status. After you block movie ratings, you must set *NR* to *View* separately in order to view movies with an NR rating.
- Inputs (VID, SVID) aren't available unless they have been manually added to the channel list.

Care and Cleaning

CAUTION: Turn OFF your TV before cleaning.
You can clean the TV as required, using a soft lint-free cloth. Be sure to occasionally dust the ventilation slots in the cabinet to help assure adequate ventilation.

The TV's screen may be cleaned with a soft, lint-free cloth as well. Take care not to scratch or mar the screen. If necessary, you may use a cloth dampened with warm water. Never use strong cleaning agents, such as ammonia-based cleaners, or abrasive powder. These types of cleaners will damage the TV.

While cleaning do not spray liquid directly on the screen, or allow liquid to run down the screen and inside the TV. Also, avoid placing drinks or vases with water on top of the TV. This could increase the risk of fire or shock hazard or damage to the TV.

Caution: Using video games or any external accessory with fixed images for extended periods of time can cause them to be permanently imprinted on the picture tube (or projection TV picture tubes). ALSO, some network/ program logos, phone numbers, etc. may cause similar damage. This damage is not covered by your warranty.

For models ??? only:

FCC Declaration of Conformity and Industry Canada Information

FCC Regulations state that unauthorized changes or modifications to this equipment may void the user's authority to operate it.

This device complies with part 15 of FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

This Class A digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations.

Cet appareil numérique de la classe A respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.

Note: This equipment has been tested and found to comply with the limits for the Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

If this equipment does cause interference to radio or television reception (which you can determine by turning the equipment off and on), try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna (that is, the antenna for the radio or television that is "receiving" the interference).

Change the position of the TV/PC Monitor with respect to the radio or television equipment that is receiving interference.

Move the TV/PC Monitor away from the equipment that is receiving interference.

Plug the TV/PC Monitor into a different wall outlet so that the TV/PC Monitor and the equipment receiving interference are on different branch circuits.

If these measures do not eliminate the interference, please consult your dealer or an experienced radio/television technician for additional suggestions. Also, the Federal Communications Commission has prepared a helpful booklet, "How To Identify and Resolve Radio/TV Interference Problems." This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402. Please specify stock number 004-000-00345-4 when ordering copies.

For more information on FCC conformity: Thomson multimedia Inc., 10330 N. Meridian St., Indianapolis IN 46290; 1-800-587-5850.

Limited Warranty

What your warranty covers:

- Any defect in materials or workmanship.

For how long after your purchase:

- One year for labor charges.
- One year for parts.
- Two years for picture tube.

(The warranty begins at time of first installation or 45 days after shipment, whichever comes first.)

What we will do:

- Pay any Authorized RCA Commercial Television Service Center the labor charges to repair your television.
- Pay any Authorized RCA Commercial Television Service Center for the new or, at our option, refurbished replacement parts and picture tube required to repair your television.

How you get service:

- Request service from any Authorized RCA Commercial Television Service Center at your place of business.
- To identify your nearest Authorized RCA Commercial Television Service Center, ask your distributor, look in the Yellow Pages, or call 1-800-880-5966.
- Show the Authorized Service Center Representative your sales receipt or other evidence of purchase date or first rental.

What your warranty does not cover:

- Customer instruction. (Your Owner's Manual clearly describes how to install, adjust, and operate your television. Any additional information should be obtained from your distributor.)
- Installation and related adjustments.
- Acts of God, such as, but not limited to lightning damage.
- Signal reception problems not caused by your television.
- Damage from misuse or neglect.
- Batteries.
- Damage from images burnt onto the screen.
- A television that has been modified or incorporated into other products.
- A television purchased or serviced outside the USA.
- In-room service.

Product registration:

- Please complete and mail the Product Registration Card packed with your TV. It will make it easier to contact you should it ever be necessary. The return of the card is not required for warranty coverage.

Limitation of Warranty:

- **THE WARRANTY STATED ABOVE IS THE ONLY WARRANTY APPLICABLE TO THIS PRODUCT. ALL OTHER WARRANTIES, EXPRESS OR IMPLIED (INCLUDING ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE) ARE HEREBY DISCLAIMED. NO VERBAL OR WRITTEN INFORMATION GIVEN BY THOMSON MULTIMEDIA INC., ITS AGENTS OR EMPLOYEES SHALL CREATE A GUARANTY OR IN ANY WAY INCREASE THE SCOPE OF THIS WARRANTY.**
- **REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. THOMSON MULTIMEDIA INC. SHALL NOT BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT OR ARISING OUT OF ANY BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. THIS DISCLAIMER OF WARRANTIES AND LIMITED WARRANTY ARE GOVERNED BY THE LAWS OF THE STATE OF INDIANA. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED TO THE APPLICABLE WARRANTY PERIOD SET FORTH ABOVE.**

How state law relates to this warranty:

- Some states do not allow the exclusion nor limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you.
- This warranty gives you specific legal rights, and you also may have other rights that vary from state to state.

If you purchased your product outside the USA:

- This warranty does not apply. Contact your distributor for warranty information.

Service calls which do not involve defective materials or workmanship are not covered by this warranty. Costs of such service calls are the sole responsibility of the purchaser.

Visit the RCA web site at www.rca.com

Please do not send any products to the Indianapolis address listed in this manual or on the carton. This will only add delays in service for your product.

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